GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:2999
ANSWERED ON:04.08.2016
Smooth and Reliable Integration of Renewable Energy
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Will the Minister of POWER be pleased to state:

(a) whether the Government has prepared 15-point action plan to ensure smooth and reliable integration of renewable energy with conventionally generated electricity carried by the national and State grids, if so, the details thereof;

(b) whether the country''s ambitious programme of creating 175 GW of installed renewable energy capacity by 2022 not only requires setting up of plants but ensuring that the power they generate is promptly evacuated and integrated with conventional supplies, if so, the details thereof; and

(c) whether a committee has suggested a range of steps, including bringing greater flexibility to conventional generation, having generation reserves, frequency control, introducing forecasting, scheduling and deviation settlement mechanisms to address any problems that may arise more so given the erratic nature of solar and wind energy and the very limited availability of storage, if so, the steps taken/proposed to be taken in this regard?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) to (c) : India has an ambitious target of adding 175 GW of renewable generation capacity by 2022. In order to integrate such high penetration of renewables into the grid, a Technical Committee was constituted for "Large Scale Integration of Renewable Energy, need for balancing, Deviation Settlement Mechanism (DSM) and associated issues". The Technical Committee has prepared a 15 point action plan.

The report also mentions the need for augmenting the transmission corridors from renewable rich states with coordinated transmission planning.

The Technical Committee, based on detailed deliberations with different stakeholders and analysis, recommended the action points, which is given at Annex. The detailed report of the Technical Committee, which also gives steps to be taken by different agencies, is also available at the website of Ministry of Power.

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